## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau



(43) International Publication Date 29 December 2004 (29.12.2004)

PCT

# (10) International Publication Number WO 2004/113760 A1

(51) International Patent Classification7:

(21) International Application Number:

PCT/GB2004/002571

(22) International Filing Date:

14 June 2004 (14.06.2004)

(25) Filing Language:

**English** 

(26) Publication Language:

English

(30) Priority Data: 0313880.7

14 June 2003 (14.06.2003)

(71) Applicant (for all designated States except US): COLT SYSTEMS LIMITED [GB/GB]; 3 The Acres, Stokesley, North Yorkshire TS9 5QA (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PEARCE, Colin, Richard [GB/GB]; Colt Systems Limited, 3 The Acres, Stockesley, North Yorkshire TS9 5QA (GB). FARRELLY, Justin, Nicholas [GB/GB]; Forge House Group, Cleveland Trading Estate, Darlington, County Durham, DL1 2PB

(74) Agents: CARPENTER, David, et al.: Marks & Clerk, Alpha Tower, Suffolk Street Queensway, Birmingham B1 1TT (GB).

F16G 11/05 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE. AG, AL. AM. AT, AU, AZ, BA. BB. BG, BR, BW, BY, BZ, CA, CH. CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN. IS, JP, KE, KG, KP, KR, KZ, LC. LK, LR. LS, LT, LU. LV, MA. MD. MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ. TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

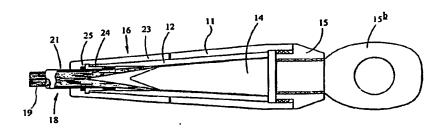
> (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ. GW, ML, MR, NE, SN, TD, TG).

### Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the begin-. ning of each regular issue of the PCT Gazette.

(54) Title: ROPE TERMINATOR



(57) Abstruct: A rope terminator comprising, an elongate hollow barrel (12) formed from a fibre reinforced synthetic resin material. the barrel having therein a rope receiving passage (13), and said passage having a first end region from which the rope (18) to be terminated extends in use, and an opposite, second end region, the passage tapering in internal diameter from a minimum at said first end region to a maximum at said second end region, a tapering wedge member (14) for insertion into said passage of the barrel to trap fibres (19) of the rope (18) between the outer tapering surface of the wedge member and the inner tapering surface of said passage, said barrel having an outer surface region tapering in diameter. The terminator further includes a hollow outer body member (11) having therein a tapering passage within which said outer tapering surface of said barrel is received, providing a means (15b) of attaching the terminated rope to an anchor point.